



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,590	11/09/2001	Matthew S. Chang	50P4142	4351

7590 02/10/2006

Intellectual Property Department
Sony Electronics Inc.
123 Tice Boulevard - MD T1-1
Woodcliff Lake, NJ 07677

EXAMINER

MANNING, JOHN

ART UNIT	PAPER NUMBER
----------	--------------

2614

DATE MAILED: 02/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/010,590	Applicant(s) CHANG ET AL.	
	Examiner John Manning	Art Unit 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-13, 16-17, 20-31 and 34-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Croy et al. (US Pat No 6,476,825).

In regard to claims 1 and 20, Croy discloses “[a] control device and system for remotely viewing video programming and for monitoring and controlling electronic devices” (abstract). The claimed limitation of “a device coupled to said television receiver to access information to be displayed on said display screen” is met by Figure 1, Item 100. “The base station 100 receives external information from a cable television provider 110 and/or external information received from the Internet 114 or other digital sources 115 via telephone network 112” (Col 3, Lines 39-42; Also see: Col 3, Lines 42-67; Col 4, Lines 1-2). The claimed limitation of “a portable data device adapted to download said information from the device” is met by Figure 2, Lines 200. “Referring now to FIG. 2, a block diagram illustrates the internal architecture of the remote device (PTVN) 200 of one embodiment of the present invention. Remote device 200 includes a

Art Unit: 2614

base station interface 210 for receiving and transmitting data with the base station 100” (Col 5, Lines 22-26; Also see: Col 5, Lines 26-55).

In regard to claims 2 and 21, Croy discloses that the base station or “device” includes a set top box (See Col 9, Lines 10-18).

In regard to claims 3, 6, 22 and 23, Croy discloses that the portable data device is a smart card (where the smart card included an IC chip) (See Col 5, Lines 57-67).

In regard to claim 4, Croy discloses a remoted device that by definition is a PDA (See Col 9, Lines 31-60).

In regard to claim 5, Croy discloses a smart card in conjunction with a user PIN for financial transaction, which meets the limitation of a “digital wallet” (See Col 6, Lines 54-57).

In regard to claim 7, Croy discloses a back channel (See Col 7, Lines 35-46).

In regard to claims 8 and 26, Croy discloses a smart card interface, which meets the limitation of a “smart card reader/writer”.

In regard to claims 9, 25 and 27, Croy discloses that the “portable data device” includes a wireless transmitter/receiver (See Col 4, Lines 28-38; Col 4, Lines 53-58).

In regard to claims 10-12, 24 and 28-30, Croy discloses that the “portable data device” includes a display, a processor, and a memory (See Figure 2, Items 246, 220 and 222; Col 5, Lines 22-56).

In regard to claims 13 and 31, Croy discloses that “portable data device” includes navigation buttons (Col 5, Lines 41-47).

In regard to claims 16 and 34, Croy discloses that "portable data device" communicates with the "device" using the Universal Serial Bus Protocol/Serial Parallel Interface (See Col 4, Lines 40-58).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 14-15, 18-19, 32-33 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Croy et al.

In regard to claims 14 and 32, Croy fails to explicitly disclose a remind button. However, the examiner takes Official Notice that it is notoriously well known in the art at the time of the invention to have a remind button on a remote device so as to conveniently allow a user to tag a program to be watched at a later time. Consequently, it would have been obvious to one of ordinary skill in the art to modify Croy with have a remind button on a remote device for the stated advantage.

In regard to claims 15, 18, 33 and 36, Croy fails to explicitly disclose use of the ISO7816 or the Sony Memory Stick protocols. However, the examiner takes Official Notice that it is notoriously well known in the art at the time of the invention to use the ISO7816 or the Sony Memory Stick protocols to provide a standardized and efficient method of communication between devices. Consequently, it would have been obvious

Art Unit: 2614

to one of ordinary skill in the art to modify Croy with the use of the ISO7816 or the Sony Memory Stick protocols for the stated advantage.

In regard to claim 19, the claimed limitations are met by that discussed above for claim 1, where the first signal line is the cable input and the second signal line is the connection to the remote device, except Croy fails to explicitly disclose that a television signal representing items for sale (however, the disclosed device can be used for home shopping; See Col 6, lines 54-57). The examiner takes Official Notice that it is notoriously well known in the art at the time of the invention to provide a television signal representative of items for sale so as to allow the user to conveniently shop from home. Consequently, it would have been obvious to one of ordinary skill in the art to modify Croy with receiving a television signal representative of items for sale for the stated advantage.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Renandez et al. (US Pat No 6,590,602).
- Perlman (US Pat No 6,169,879)
- Wharton et al. (US Pat No 5,831,664).
- Huang et al (US Pat No 6,437,836).

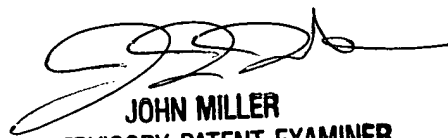
Art Unit: 2614

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Manning whose telephone number is 571-272-7352. The examiner can normally be reached on M-F: 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JM
February 1, 2006


JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600